



# Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI)

## COURSE OVERVIEW

The Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) training provides you with an understanding of Cisco Expressway Series solutions, such as B2B calls, Cisco Mobile and Remote Access for remote workers, authentication options, and additional Cisco Expressway Series features. Topics covered also include details about the Webex solutions, and the benefits of hybrid integrations between Cisco on-premises solutions and Webex Meetings in the cloud. This training also earns you 40 Continuing Education (CE) credits towards recertification.

This training helps prepare you to take the exam:

- 300-820 Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI)

## WHO WILL BENEFIT FROM THIS COURSE?

This course is designed for professionals in job roles such as:

- Collaboration engineers
- Collaboration administrators

## PREREQUISITES

Before taking this course, you should have the following knowledge and skills:

- Understanding of networking technologies
- Understanding voice and video
- Knowledge of Cisco collaboration core technologies
- Session Initiation Protocol (SIP) and Extensible Messaging and Presence Protocol (XMPP) signaling protocol fundamentals
- Collaboration call control fundamentals of Cisco Unified Communications Manager

The following Cisco courses can help you gain the knowledge you need to prepare for this course:

- Understanding Cisco Collaboration Foundations (CLFNDU)
- Implementing and Operating Cisco Collaboration Core Technologies (CLCOR)

## COURSE OBJECTIVES

After taking this course, you should be able to:

- Describe the Cisco Expressway Core features and functionality within the collaboration architecture
- Describe the Cisco Expressway Core additional features
- Configure and troubleshoot Cisco Unified Communications Manager and Cisco Expressway Series integration
- Configure and troubleshoot Cisco Collaboration solutions for Business-to-Business calls
- Describe how to secure B2B communication with Cisco Expressway Series
- Describe the Mobile and Remote Access (MRA) feature

- Describe the Cisco Expressway MRA security and integration options, including integration with Cisco Unity Connection and Cisco Unified Communications Manager IM and Presence Service
- Describe deployment models for Cisco Webex cloud-based collaboration, management of users and sites within Webex Control Hub, and other administrative tasks
- Describe Cisco Webex Hybrid Services

## **COURSE OUTLINE**

- Configuring and Troubleshooting the Cisco Expressway Series
- Configuring Cisco Expressway Additional Features
- Configuring and Troubleshooting Cisco Unified Communications Manager and Cisco Expressway Series
- Configuring and Troubleshooting Cisco Collaboration Solutions for Business-to-Business
- Securing Business-to-Business Communication
- Configuring and Troubleshooting Mobile and Remote Access
- Integrating and Securing Mobile and Remote Access
- Configuring Cisco Webex Hybrid Services

### Lab Outline

- Discovery 1: Deploy Virtualized Cisco Expressway
- Discovery 2: Perform the Initial Cisco Expressway Series Configuration
- Discovery 3: Register Endpoints on Cisco Expressway Series
- Discovery 4: Call Search History and Registrations
- Discovery 5: Troubleshooting Tools
- Discovery 6: Configure Cisco Expressway Series Bandwidth Management and Registration Restrictions
- Discovery 7: Troubleshoot Cisco Expressway Series Endpoint Registration and Local Dial Plan
- Discovery 8: Configure Cisco Expressway Series Security Features
- Discovery 9: Configure Cisco Unified Communications Manager to Connect with Cisco Expressway-C
- Discovery 10: Troubleshoot Cisco Unified Communications Manager and Cisco Expressway Series Integration
- Discovery 11: Configure Cisco Unified Communications Manager and Cisco Expressway Series Integration
- Discovery 12: Implement a Business-to-Business Cisco Collaboration Solution
- Discovery 13: Troubleshoot Business-to-Business Calls on the Cisco Expressway Series
- Discovery 14: Secure a B2B Cisco Collaboration Communication
- Discovery 15: Configure MRA on the Cisco Expressway Series
- Discovery 16: Troubleshoot MRA on the Cisco Expressway Series
- Discovery 17: Configure MRA with Additional Application Integrations
- Discovery 18: Prepare for Cisco Webex Integration

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